

Product datasheet for **SC335324**

SMPDL3A (NM_001286138) Human Untagged Clone

Product data:

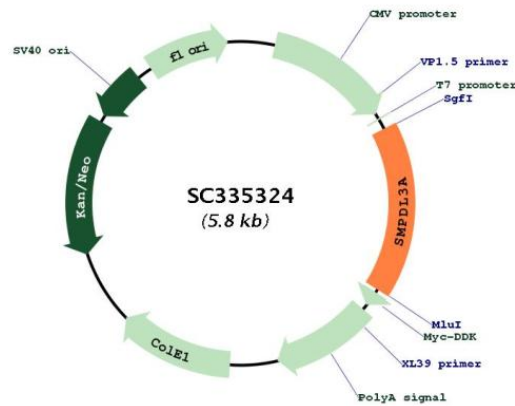
Product Type:	Expression Plasmids
Product Name:	SMPDL3A (NM_001286138) Human Untagged Clone
Tag:	Tag Free
Symbol:	SMPDL3A
Synonyms:	ASM3A; ASML3a; yR36GH4.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335324 representing NM_001286138. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACAACCACCATCCAGAGTCTCTTTCCAAATCTCCAGGTTTTCCCTGCGCTGGGTAATCATGACTAT
TGGCCACAGGATCAACTGCCTGTAGTCACCAGTAAAGTGTACAATGCAGTAGCAAACCTCTGAAACCA
TGGCTAGATGAAGAAGCTATTAGTACTTTAAGGAAAGGTGGTTTTTATTACAGAAAGTTACAATAAT
CCAAACCTTAGGATCATCAGTCTAAACACAACTTGTACTACGGCCAAATATAATGACTGAACAAG
ACTGACCCAGCCAACCAGTTTGAATGGCTAGAAAGTACATTGAACAACCTCTCAGCAGAATAAGGAGAAG
GTGTATATCATAGCACATGTTCCAGTGGGTATCTGCCATCTTACAGAACATCACAGCAATGAGAGAA
TACTATAATGAGAAATTGATAGATATTTTCAAAAATACAGTGATGTCATTGCAGGACAATTTTATGGA
CACACTCACAGAGACAGCATTATGGTCTTTTCCAGATAAAAAAGGAAGTCCAGTAAATTTTGTGGTGG
GCTCCTGCTGTTACACCAAGTGAAGAGTGTGTTTGTAGAAAAACAGACCAACAATCCTGGTATCAGACTGTTT
CAGTATGATCCTCGTGATTATAAATTATGGATATGTTGCAGTATTACTTGAATCTGACAGAGGCGAAT
CTAAAGGGAGAGTCCATCTGGAAGCTGGAGTATATCCTGACCCAGACCTACGACATTGAAGATTTGCAG
CCGAAAGTTTATATGGATTAGCTAAACAATTTACAATCCTAGACAGTAAAGCAGTTTATAAAATACTAC
AATTACTTCTTTGTGAGTTATGACAGCAGTGAACATGTGATAAGACATGTAAGGCCTTTCAGATTTGT
GCAATTATGAATCTTGATAATTTTCTATGCAGATTGCCTCAAACAGCTTTATATAAAGCACAATTAC
TAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001286138

Insert Size: 969 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001286138.1](#)

RefSeq Size: 1773 bp

RefSeq ORF: 969 bp

Locus ID: 10924

UniProt ID: [Q92484](#)

Cytogenetics: 6q22.31

Protein Families:	Secreted Protein
MW:	37.3 kDa
Gene Summary:	<p>Has in vitro nucleotide phosphodiesterase activity with nucleoside triphosphates, such as ATP (PubMed:25288789, PubMed:26783088). Has in vitro activity with p-nitrophenyl-TMP (PubMed:25288789). Has lower activity with nucleoside diphosphates, and no activity with nucleoside monophosphates (PubMed:25288789, PubMed:26783088). Has in vitro activity with CDP-choline, giving rise to CMP and phosphocholine. Has in vitro activity with CDP-ethanolamine (PubMed:26783088). Does not have sphingomyelin phosphodiesterase activity (PubMed:25288789, PubMed:26783088).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an alternate exon in the 5' coding region and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (b) is shorter at the N-terminus, compared to isoform a.</p>